

NOV 03 2008

PTO/SB/21 (10-08)

Approved for use through 11/30/2008. OMB 0551-0031

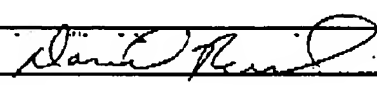
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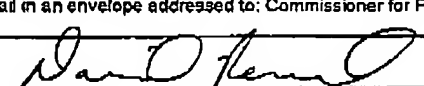
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10733,898	
	Filing Date	December 11, 2003	
	First Named Inventor	Charles L. Gray, Jr.	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	8	Attorney Docket Number	EPA 886-04

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Petition to Correct Inventorship in US Patent 7,026,042		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature			
Printed name	David Read		
Date	November 3, 2008	Reg. No.	47,898

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	David H. Read	Date	November 3, 2008

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-08)

Approved for use through 06/30/2010. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2003 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2009☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) \$130

Complete if Known

Application Number	10/733,696
Filing Date	December 11, 2003
First Named Inventor	Charles L. Gray, Jr.
Examiner Name	
Art Unit	
Attorney Docket No.	EPA 686-04

METHOD OF PAYMENT (check all that apply)

- ☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
- ☒ Deposit Account Deposit Account Number: 051128 Deposit Account Name: U.S. EPA
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	330	165	540	270	220	110	
Design	220	110	100	50	140	70	
Plant	220	110	330	165	170	85	
Reissue	330	165	540	270	650	325	
Provisional	220	110	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195
Total Claims	Extra Claims	Fee (\$)
- 20 or HP =	x	=
HP = highest number of total claims paid for, if greater than 20.		
Indep. Claims	Extra Claims	Fee (\$)
- 3 or HP =	x	=
HP = highest number of independent claims paid for, if greater than 3.		

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$270 (\$135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

4. OTHER FEE(S)

Non-English Specification. \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Correction of Inventorship in Patent (CFR 1.20(b))

130

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	47,888	Telephone	734-214-4367
Name (Print/Type)	David Read			Date	November 3, 2008

This collection of information is required by 37 CFR 1.138. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**PETITION TO CORRECT INVENTORSHIP OF U.S. PATENT 7,025,042**

Pursuant to 35 U.S.C. § 256 and 37 C.F.R. § 1.324, applicant submits this petition to correct the inventorship in U.S. Patent 7,025,042, issued April 11, 2006, by adding **Ruonan Sun** of Ann Arbor, MI and **Richard P. Thomas** of Pinckney, MI as co-inventors on the patent. The inventive entity previously set forth for the above application is in error, omitting Ruonan Sun and Richard P. Thomas as co-inventors without any deceptive intent on the part of Mr. Sun, Mr. Thomas, or the other inventor. The patent was originally filed on December 11, 2003, as Application No. 10/733,696.

In support of this Petition, applicant submits the attached statements from each of the inventors, consent of the assignee, and statement by the assignee under 37 CFR 3.73(b), as required by 37 C.F.R. § 1.324.



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U.S. Environmental Protection Agency
National Vehicle and Fuel Emissions Laboratory
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Ann Arbor, MI 48105
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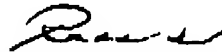
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**STATEMENT OF RUONAN SUN IN SUPPORT OF
PETITION TO CORRECT INVENTORSHIP OF U.S. PATENT 7,025,042**

Pursuant to 37 C.F.R. § 1.324(b)(1), I, Ruonan Sun of Ann Arbor, MI, do hereby declare that I am a co-inventor of U.S. Patent 7,025,042, issued April 11, 2006. Said patent was filed on December 11, 2003, as Application No. 10/733,696, listing Charles L. Gray, Jr. as the inventor. I further hereby declare that I was erroneously omitted as an inventor for the application, and that such error in the listed inventorship occurred without any deceptive intent on my part.

I declare the foregoing under penalty of perjury under the laws of the United States of America. This the 8 day of October, 2008.



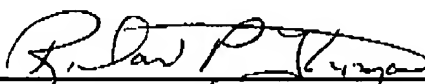
Ruonan Sun

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**STATEMENT OF RICHARD P. THOMAS IN SUPPORT OF
PETITION TO CORRECT INVENTORSHIP OF U.S. PATENT 7,025,042**

Pursuant to 37 C.F.R. § 1.324(b), I, **Richard P. Thomas** of Pinckney, MI, do hereby declare that I am a co-inventor of U.S. Patent 7,025,042, issued April 11, 2006. Said patent was filed on December 11, 2003, as Application No. 10/733,696, listing Charles L. Gray, Jr. as the inventor. I further hereby declare that I was erroneously omitted as an inventor for the application, and that such error in the listed inventorship occurred without any deceptive intent on my part.

I declare the foregoing under penalty of perjury under the laws of the United States of America. This the 8th day of October, 2008.



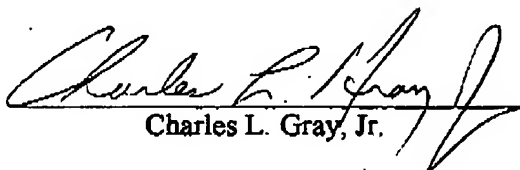
Richard P. Thomas

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**STATEMENT OF CHARLES L. GRAY, JR. REGARDING
PETITION TO CORRECT INVENTORSHIP OF U.S. PATENT 7,025,042**

Pursuant to 37 C.F.R. § 1.324(b)(2), I, Charles L. Gray, Jr. of Pinckney, MI, state that I am an inventor of U.S. Patent 7,025,042, issued April 11, 2006, and that I have no disagreement with the requested change in this petition.

This the 9th day of October, 2008.


Charles L. Gray, Jr.

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686B

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**CONSENT OF ASSIGNEE TO CORRECTION OF INVENTORSHIP
OF U.S. PATENT 7,025,042 TO CHARLES L. GRAY, JR.**

The United States Environmental Protection Agency (US EPA) is the owner, by assignment, of U.S. Patent 7,025,042, issued April 11, 2006. The patent was filed on December 11, 2003, as U.S. Application 10/733,696, listing Charles L. Gray, Jr. as the inventor.

Pursuant to 37 C.F.R. §§ 1.48(a) and 3.73(b), US EPA consents to the correction of inventorship of the above-referenced application to include omitted inventors Ruonan Sun and Richard P. Thomas as co-inventors on the patent application. The undersigned further states that he is an authorized representative of US EPA with delegated authority from US EPA to act in matters involving US EPA patents.

Randall Hale Cherry 6/12/08

Randall Cherry
Patent Counsel, US EPA

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PTO/SB/98 (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Charles L. Gray, Jr.Application No./Patent No.: U.S. Patent No. 7,025,042 Filed/Issue Date: April 11, 2006Entitled: Methods of Operation for Controlled Temperature Combustion Engines Using Gasoline-like Fuel, Particularly Multicylinder Homogenous Charge Compression Ignition (HCCI) EnginesThe U.S. Environmental Protection Agency, a government agency
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014819, Frame 0192, or for which a copy therefore is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at

Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Randall Hale Cherry
Signature

10/9/08
Date

Randall Cherry
Printed or Typed Name

202-564-2083
Telephone Number

Patent Counsel, U.S. EPA
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.